

Demand Side Worksheet

EGR Name: EGR7							
Occupation Name: Chemical Technicians							
Occupation SOC: 19-4031							
1. Estimated Job vacancies, end of 2005							
Lower estimate	5						
Middle estimate	30						
Upper estimate	70						
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	4	4	4	4	4	4	4
325 Chemical	4	4	4	4	4	4	4
B. Middle projection:							
Total, all industries in EGR	30	20	10	5	5	5	5
325 Chemical	30	20	10	5	5	5	5
C. Upper projection:							
Total, all industries in EGR	70	30	20	20	20	20	20
325 Chemical	70	30	20	20	20	20	20

Supply Side Worksheet #1 ("Production")

EGR Name: EGR7

Occupation Name: Chemical Technicians

Occupation SOC: 19-4031

Projected "production" of new entrants into this occupation, by year

Year	2006	2007	2008	2009	2010	2011	2012
a. Graduates/completers of education and training programs in this EGR:							
ISU Life Sciences: Microbiology	2	2	2	2	2	2	2
ISU Chemistry	6	6	6	6	6	6	6
ISU Clinical Laboratory Science	4	4	4	4	4	4	4
Ivy Tech Biotechnology	9	9	15	15	15	15	15
ISU Life Sciences	25	25	25	25	25	25	25
b. Other sources of entrants (other than in-migration)							
c. Total new supply	46	46	52	52	52	52	52

Worksheet for Calculating Shortages or Surpluses of One Occupation

EGR Name:	EGR7							
Occupation Name:	Chemical Technician							
Occupation SOC:	19-4031							
A. Lower projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		5	-11	-27	-49	-71	-93	-115
New demand during year		4	4	4	4	4	4	4
New production during year		46	46	52	52	52	52	52
Net migration during year		-26	-26	-26	-26	-26	-26	-26
Net change during year		-16	-16	-22	-22	-22	-22	-22
Carryover to next year (+/-)	5	-11	-27	-49	-71	-93	-115	-137
B. Middle projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		30	40	40	24	3	-18	-39
New demand during year		30	20	10	5	5	5	5
New production during year		46	46	52	52	52	52	52
Net migration during year		-26	-26	-26	-26	-26	-26	-26
Net change during year		10	0	-16	-21	-21	-21	-21
Carryover to next year (+/-)	30	40	40	24	3	-18	-39	-60
C. Upper projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		70	120	130	124	118	112	106
New demand during year		70	30	20	20	20	20	20
New production during year		46	46	52	52	52	52	52
Net migration during year		-26	-26	-26	-26	-26	-26	-26
Net change during year		50	10	-6	-6	-6	-6	-6
Carryover to next year (+/-)	70	120	130	124	118	112	106	100
Notes:								
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.								
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:								
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.								
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.								
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.								

Demand Side Worksheet							
EGR Name:		EGR7					
Occupation Name:		Respiratory Therapist					
Occupation SOC:		29-1126					
1. Estimated Job vacancies, end of 2005							
Lower estimate		7					
Middle estimate		10					
Upper estimate		13					
2. Projected number of job openings annually due to growth and net replacements:							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	7	7	7	7	7	7	7
622 Hospitals	4	4	4	4	4	4	4
623 Nursing and Residential Care Facilities	3	3	3	3	3	3	3
B. Middle projection:							
Total, all industries in EGR	10	10	10	10	10	10	10
622 Hospitals	6	6	6	6	6	6	6
623 Nursing and Residential Care Facilities	4	4	4	4	4	4	4
C. Upper projection:							
Total, all industries in EGR	13	13	13	13	13	13	13
622 Hospitals	8	8	8	8	8	8	8
623 Nursing and Residential Care Facilities	5	5	5	5	5	5	5
Notes:							
This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:							
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.							
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.							
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.							

Supply Side Worksheet #1 ("Production")							
EGR Name:	EGR7						
Occupation Name:	Respiratory Therapist						
Occupation SOC:	29-1126						
Projected "production" of new entrants into this occupation, by year							
Year	2006	2007	2008	2009	2010	2011	2012
a. Graduates/completers of education and training programs in this EGR:							
Ivy Tech	8	14	15	15	15	15	15
b. Other sources of entrants (other than in-migration)							
c. Total new supply	8	14	15	15	15	15	15

Supply Side Worksheet #2 ("Migration")							
EGR Name:	EGR7						
Occupation Name:	Respiratory Therapist						
Occupation SOC:	29-1126						
Year	2006	2007	2008	2009	2010	2011	2012
1. Projected IN-migration of workers in this occupation to this EGR, by year							
a. From outside this EGR	0	0	0	0	0	0	0
b. From other occupations	0	0	0	0	0	0	0
2. Projected OUT-migration of workers in this occupation to this EGR, by year							
a. To places outside this EGR	2	3	4	4	4	4	4
b. Into other occupations	0	0	0	0	0	0	0
3. Net IN-Migration	-2	-3	-4	-4	-4	-4	-4

Worksheet for Calculating Shortages or Surpluses of One Occupation										
EGR Name: EGR7										
Occupation Name: Respiratory Therapist										
Occupation SOC: 29-1126										
A. Lower projection:										
Total, all industries in EGR										
Year	2005	2006	2007	2008	2009	2010	2011	2012		
Carryover from last year (+/-)		7	8	4	0	-4	-8	-12		
New demand during year		7	7	7	7	7	7	7		
New production during year		8	14	15	15	15	15	15		
Net migration during year		-2	-3	-4	-4	-4	-4	-4		
Net change during year		1	-4	-4	-4	-4	-4	-4		
Carryover to next year (+/-)	7	8	4	0	-4	-8	-12	-16		
B. Middle projection:										
Total, all industries in EGR										
Year	2005	2006	2007	2008	2009	2010	2011	2012		
Carryover from last year (+/-)		10	14	13	12	11	10	9		
New demand during year		10	10	10	10	10	10	10		
New production during year		8	14	15	15	15	15	15		
Net migration during year		-2	-3	-4	-4	-4	-4	-4		
Net change during year		4	-1	-1	-1	-1	-1	-1		
Carryover to next year (+/-)	10	14	13	12	11	10	9	8		
C. Upper projection:										
Total, all industries in EGR										
Year	2005	2006	2007	2008	2009	2010	2011	2012		
Carryover from last year (+/-)		13	20	22	24	26	28	30		
New demand during year		13	13	13	13	13	13	13		
New production during year		8	14	15	15	15	15	15		
Net migration during year		-2	-3	-4	-4	-4	-4	-4		
Net change during year		7	2	2	2	2	2	2		
Carryover to next year (+/-)	13	20	22	24	26	28	30	32		
Notes:										
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.										
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:										
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.										
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.										
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.										

Demand Side Worksheet							
EGR Name:		EGR7					
Occupation Name:		Radiological Technologists and Technicians					
Occupation SOC:		29-2034					
1. Estimated Job vacancies, end of 2005							
Lower estimate		10					
Middle estimate		12					
Upper estimate		13					
2. Projected number of job openings annually due to growth and net replacements:							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	10	10	10	10	10	10	10
621 Ambulatory Health Care Services	3	3	3	3	3	3	3
622 Hospital	7	7	7	7	7	7	7
B. Middle projection:							
Total, all industries in EGR	12	12	12	12	12	12	12
621 Ambulatory Health Care Services	4	4	4	4	4	4	4
622 Hospital	8	8	8	8	8	8	8
C. Upper projection:							
Total, all industries in EGR	13	13	13	13	13	13	13
621 Ambulatory Health Care Services	5	5	5	5	5	5	5
622 Hospital	8	8	8	8	8	8	8
Notes:							
This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:							
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.							
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C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.							

Supply Side Worksheet #1 ("Production")

EGR Name: EGR7

Occupation Name:	Radiological Technologists and Technicians
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Occupation SOC:	29-2034
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Projected "production" of new entrants into this occupation, by year

Year	2006	2007	2008	2009	2010	2011	2012
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a. Graduates/completers of education and training programs in this EGR:

Ivy Tech	30	30	30	30	30	30	30
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b. Other sources of entrants (other than in-migration)**c. Total new supply**

30 30 30 30 30 30

Supply Side Worksheet #2 ("Migration")

EGR Name: EGR7

Occupation Name:	Radiological Technologists and Technicians
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Occupation SOC:	29-2034
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Year	2006	2007	2008	2009	2010	2011	2012
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1. Projected IN-migration of workers in this occupation to this EGR, by year

a. From outside this EGR	0	0	0	0	0	0	0
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b. From other occupations	0	0	0	0	0	0
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2. Projected OUT-migration of workers in this occupation to this EGR, by year

a. To places outside this EGR	20	20	20	20	20	20	20
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b. Into other occupations							
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3. Net IN-Migration	-20	-20	-20	-20	-20	-20
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Worksheet for Calculating Shortages or Surpluses of One Occupation									
EGR Name: EGR7									
Occupation Name: Radiological Technologists and Technicians									
Occupation SOC: 29-2034									
A. Lower projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		10	10	10	10	10	10	10	10
New demand during year		10	10	10	10	10	10	10	10
New production during year		30	30	30	30	30	30	30	30
Net migration during year		-20	-20	-20	-20	-20	-20	-20	-20
Net change during year		0	0	0	0	0	0	0	0
Carryover to next year (+/-)	10	10	10	10	10	10	10	10	10
B. Middle projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		12	14	16	18	20	22	24	26
New demand during year		12	12	12	12	12	12	12	12
New production during year		30	30	30	30	30	30	30	30
Net migration during year		-20	-20	-20	-20	-20	-20	-20	-20
Net change during year		2	2	2	2	2	2	2	2
Carryover to next year (+/-)	12	14	16	18	20	22	24	26	26
C. Upper projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		13	16	19	22	25	28	31	34
New demand during year		13	13	13	13	13	13	13	13
New production during year		30	30	30	30	30	30	30	30
Net migration during year		-20	-20	-20	-20	-20	-20	-20	-20
Net change during year		3	3	3	3	3	3	3	3
Carryover to next year (+/-)	13	16	19	22	25	28	31	34	34
Notes:									
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.									
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:									
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.									
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.									
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.									

Demand Side Worksheet							
EGR Name:		EGR7					
Occupation Name:		First-Line Supervisors/Managers of Mechanics, Installers, and Repairers					
Occupation SOC:		49-1011					
1. Estimated Job vacancies, end of 2005							
Lower estimate		16					
Middle estimate		24					
Upper estimate		33					
2. Projected number of job openings annually due to growth and net replacements:							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	16	16	16	16	16	16	16
310 Manufacturing	4	4	4	4	4	4	4
26 Plastics and Rubber Products Manufacturing	3	3	3	3	3	3	3
B. Middle projection:							
Total, all industries in EGR	24	24	24	24	24	24	24
310 Manufacturing	24	24	24	24	24	24	24
C. Upper projection:							
Total, all industries in EGR	33	33	33	33	33	33	33
310 Manufacturing	33	33	33	33	33	33	33
Notes:							
This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:							
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.							
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.							
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.							
Notes: Due to confidentiality, primary data used to estimate middle and upper projections was aggregated to manufacturing as a whole. State and National projections, calibrated to EGR7, were believed to be low and used as EGR7's lower projection.							

Supply Side Worksheet #1 ("Production")							
EGR Name:	EGR7						
Occupation Name:	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers						
Occupation SOC:	49-1011						
Projected "production" of new entrants into this occupation, by year							
Year	2006	2007	2008	2009	2010	2011	2012
a. Graduates/completers of education and training programs in this EGR:							
Indiana State University	17	17	17	17	17	17	17
b. Other sources of entrants (other than in-migration)							
n/a	0	0	0	0	0	0	0
n/a	0	0	0	0	0	0	0
c. Total new supply	17	17	17	17	17	17	17

Supply Side Worksheet #2 ("Migration")							
EGR Name:	EGR7						
Occupation Name:	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers						
Occupation SOC:	49-1011						
Year	2006	2007	2008	2009	2010	2011	2012
1. Projected IN-migration of workers in this occupation to this EGR, by year							
a. From outside this EGR	0	0	0	0	0	0	0
b. From other occupations	0	0	0	0	0	0	0
2. Projected OUT-migration of workers in this occupation to this EGR, by year							
a. To places outside this EGR	4	4	4	4	4	4	4
b. Into other occupations	0	0	0	0	0	0	0
3. Net IN-Migration	-4	-4	-4	-4	-4	-4	-4

Worksheet for Calculating Shortages or Surpluses of One Occupation									
EGR Name:		EGR7							
Occupation Name:		First-Line Supervisors/Managers of Mechanics, Installers, and Repairers							
Occupation SOC:		49-1011							
A. Lower projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		16	19	22	25	28	31	34	
New demand during year		16	16	16	16	16	16	16	16
New production during year		17	17	17	17	17	17	17	17
Net migration during year		-4	-4	-4	-4	-4	-4	-4	-4
Net change during year		3	3	3	3	3	3	3	3
Carryover to next year (+/-)	16	19	22	25	28	31	34	37	
B. Middle projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		24	35	46	57	68	79	90	
New demand during year		24	24	24	24	24	24	24	24
New production during year		17	17	17	17	17	17	17	17
Net migration during year		-4	-4	-4	-4	-4	-4	-4	-4
Net change during year		11	11	11	11	11	11	11	11
Carryover to next year (+/-)	24	35	46	57	68	79	90	101	
C. Upper projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		33	53	73	93	113	133	153	
New demand during year		33	33	33	33	33	33	33	33
New production during year		17	17	17	17	17	17	17	17
Net migration during year		-4	-4	-4	-4	-4	-4	-4	-4
Net change during year		20	20	20	20	20	20	20	20
Carryover to next year (+/-)	33	53	73	93	113	133	153	173	
Notes:									
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.									
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:									
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.									
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.									
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.									

Demand Side Worksheet							
EGR Name:		EGR7					
Occupation Name:		Electrical and Electronics Repairers, Commercial and Industrial Equipment					
Occupation SOC:		49-2094					
1. Estimated Job vacancies, end of 2005							
Lower estimate		4					
Middle estimate		14					
Upper estimate		25					
2. Projected number of job openings annually due to growth and net replacements:							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	4	4	4	4	4	4	4
310 Manufacturing	2	2	2	2	2	2	2
325 Chemical Manufacturing	2	2	2	2	2	2	2
B. Middle projection:							
Total, all industries in EGR	14	14	14	14	14	14	14
310 Manufacturing	14	14	14	14	14	14	14
C. Upper projection:							
Total, all industries in EGR	25	25	25	25	25	25	25
310 Manufacturing	25	25	25	25	25	25	25
Notes:							
This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:							
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.							
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.							
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.							
Notes: Due to confidentiality, primary data used to estimate middle and upper projections was aggregated to manufacturing as a whole. State and National projections, calibrated to EGR7, were believed to be low and used as EGR7's lower projection.							

Supply Side Worksheet #1 ("Production")

EGR Name:	EGR7
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Occupation Name:	Electrical and Electronics Repairers, Commercial and Industrial Equipment
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Occupation SOC:	49-2094
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Projected "production" of new entrants into this occupation, by year

Year	2006	2007	2008	2009	2010	2011	2012
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a. Graduates/completers of education and training programs in this EGR:

Ivy Tech	10	10	10	10	10	10	10
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[illegible]

n/a	0	0	0	0	0	0	0
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n/a	0	0	0	0	0	0	0
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etc. (add as necessary)

c. Total new supply	10	10	10	10	10	10	10
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Supply Side Worksheet #2 ("Migration")

EGR Name: EGR7

Occupation Name:	Electrical and Electronics Repairers, Commercial and Industrial Equipment
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Occupation SOC:	49-2094
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Year	2006	2007	2008	2009	2010	2011	2012
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1. Projected IN-migration of workers in this occupation to this EGR, by year

a. From outside this EGR	0	0	0	0	0	0	0
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b. From other occupations	0	0	0	0	0	0	0
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2. Projected OUT-migration of workers in this occupation to this EGR, by year

a. To places outside this EGR	2	2	2	2	2	2
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b. Into other occupations	0	0	0	0	0	0
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3. Net IN-Migration	-2	-2	-2	-2	-2	-2
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Worksheet for Calculating Shortages or Surpluses of One Occupation										
EGR Name:	EGR7									
Occupation Name:	Electrical and Electronics Repairers, Commercial and Industrial Equipment									
Occupation SOC:	49-2094									
A. Lower projection:										
Total, all industries in EGR										
Year	2005	2006	2007	2008	2009	2010	2011	2012		
Carryover from last year (+/-)		4	0	-4	-8	-12	-16	-20		
New demand during year		4	4	4	4	4	4	4		
New production during year		10	10	10	10	10	10	10		
Net migration during year		-2	-2	-2	-2	-2	-2	-2		
Net change during year		-4	-4	-4	-4	-4	-4	-4		
Carryover to next year (+/-)	4	0	-4	-8	-12	-16	-20	-24		
B. Middle projection:										
Total, all industries in EGR										
Year	2005	2006	2007	2008	2009	2010	2011	2012		
Carryover from last year (+/-)		14	20	26	32	38	44	50		
New demand during year		14	14	14	14	14	14	14		
New production during year		10	10	10	10	10	10	10		
Net migration during year		-2	-2	-2	-2	-2	-2	-2		
Net change during year		6	6	6	6	6	6	6		
Carryover to next year (+/-)	14	20	26	32	38	44	50	56		
C. Upper projection:										
Total, all industries in EGR										
Year	2005	2006	2007	2008	2009	2010	2011	2012		
Carryover from last year (+/-)		25	42	59	76	93	110	127		
New demand during year		25	25	25	25	25	25	25		
New production during year		10	10	10	10	10	10	10		
Net migration during year		-2	-2	-2	-2	-2	-2	-2		
Net change during year		17	17	17	17	17	17	17		
Carryover to next year (+/-)	25	42	59	76	93	110	127	144		
Notes:										
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.										
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:										
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.										
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.										
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.										

Demand Side Worksheet							
EGR Name:		EGR7					
Occupation Name:		Maintenance Repair Workers; General					
Occupation SOC:		49-9042					
1. Estimated Job vacancies, end of 2005							
Lower estimate		30					
Middle estimate		35					
Upper estimate		40					
2. Projected number of job openings annually due to growth and net replacements:							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	30	30	30	30	30	30	30
310 Manufacturing	30	30	30	30	30	30	30
B. Middle projection:							
Total, all industries in EGR	35	35	35	35	35	35	35
310 Manufacturing	35	35	35	35	35	35	35
C. Upper projection:							
Total, all industries in EGR	40	40	40	40	40	40	40
326 Plastics and Rubber Products Manufacturing	11	11	11	11	11	11	11
336 Transportation Equipment Manufacturing	4	4	4	4	4	4	4
325 Chemical Manufacturing	3	3	3	3	3	3	3
Notes:							
This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:							
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.							
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.							
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.							
Notes: Upper projection represents state and national data calibrated to EGR7. Lower and middle projections were based on aggregate data provided by local industry. Because of confidentiality, manufacturing as an aggregate industry was used.							

Supply Side Worksheet #1 ("Production")							
EGR Name:	EGR7						
Occupation Name:	Maintenance Repair Workers; General						
Occupation SOC:	49-9042						
Projected "production" of new entrants into this occupation, by year							
Year	2006	2007	2008	2009	2010	2011	2012
a. Graduates/completers of education and training programs in this EGR:							
Ivy Tech	22	22	22	22	22	22	22
b. Other sources of entrants (other than in-migration)							
n/a							
n/a							
c. Total new supply	22	22	22	22	22	22	22

Supply Side Worksheet #2 ("Migration")							
EGR Name:	EGR7						
Occupation Name:	Maintenance Repair Workers; General						
Occupation SOC:	49-9042						
Year	2006	2007	2008	2009	2010	2011	2012
1. Projected IN-migration of workers in this occupation to this EGR, by year							
a. From outside this EGR	0	0	0	0	0	0	0
b. From other occupations	0	0	0	0	0	0	0
2. Projected OUT-migration of workers in this occupation to this EGR, by year							
a. To places outside this EGR	4	4	4	4	4	4	4
b. Into other occupations	5	5	5	5	5	5	5
3. Net IN-Migration	-9	-9	-9	-9	-9	-9	-9

Worksheet for Calculating Shortages or Surpluses of One Occupation									
EGR Name: EGR7									
Occupation Name: Maintenance Repairer Workers; General									
Occupation SOC: 49-9042									
A. Lower projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		30	47	64	81	98	115	132	149
New demand during year		30	30	30	30	30	30	30	30
New production during year		22	22	22	22	22	22	22	22
Net migration during year		-9	-9	-9	-9	-9	-9	-9	-9
Net change during year		17	17	17	17	17	17	17	17
Carryover to next year (+/-)	30	47	64	81	98	115	132	149	
B. Middle projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		35	57	79	101	123	145	167	189
New demand during year		35	35	35	35	35	35	35	35
New production during year		22	22	22	22	22	22	22	22
Net migration during year		-9	-9	-9	-9	-9	-9	-9	-9
Net change during year		22	22	22	22	22	22	22	22
Carryover to next year (+/-)	35	57	79	101	123	145	167	189	
C. Upper projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		40	67	94	121	148	175	202	229
New demand during year		40	40	40	40	40	40	40	40
New production during year		22	22	22	22	22	22	22	22
Net migration during year		-9	-9	-9	-9	-9	-9	-9	-9
Net change during year		27	27	27	27	27	27	27	27
Carryover to next year (+/-)	40	67	94	121	148	175	202	229	
Notes:									
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.									
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:									
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.									
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.									
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.									

Demand Side Worksheet							
EGR Name:		EGR7					
Occupation Name:		Maintenance Workers, Machinery					
Occupation SOC:		49-9043					
1. Estimated Job vacancies, end of 2005							
Lower estimate		3					
Middle estimate		14					
Upper estimate		25					
2. Projected number of job openings annually due to growth and net replacements:							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	3	3	3	3	3	3	3
326 Plastics and Rubber Products Manufacturing	1	1	1	1	1	1	1
310 Manufacturing	2	2	2	2	2	2	2
B. Middle projection:							
Total, all industries in EGR	14	14	14	14	14	14	14
310 Manufacturing	14	14	14	14	14	14	14
C. Upper projection:							
Total, all industries in EGR	25	25	25	25	25	25	25
310 Manufacturing	25	25	25	25	25	25	25
Notes:							
This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:							
A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.							
B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.							
C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.							
Notes: Due to confidentiality, primary data used to estimate middle and upper projections was aggregated to manufacturing as a whole. State and National projections, calibrated to EGR7, were believed to be low and used as EGR7's lower projection.							

Supply Side Worksheet #1 ("Production")

EGR Name: EGR7

Occupation Name:	Maintenance Workers, Machinery
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Occupation SOC:	49-9043
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Projected "production" of new entrants into this occupation, by year

Year	2006	2007	2008	2009	2010	2011	2012
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a. Graduates/completers of education and training programs in this EGR:

Ivy Tech	17	17	17	17	17	17	17
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Indiana State University	3	3	3	3	3	3
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etc. (add as necessary)

b. Other sources of entrants (other than in-migration)

n/a

n/a

c. Total new supply

20	20	20	20	20	20	20
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Supply Side Worksheet #2 ("Migration")

EGR Name: EGR7

Occupation Name:	Maintenance Wrokers, Machinery
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Occupation SOC:	49-9043
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Year	2006	2007	2008	2009	2010	2011	2012
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1. Projected IN-migration of workers in this occupation to this EGR, by year

a. From outside this EGR	0	0	0	0	0	0	0
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b. From other occupations	0	0	0	0	0	0
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2. Projected OUT-migration of workers in this occupation to this EGR, by year

a. To places outside this EGR	5	5	5	5	5	5	5
--------------------------------------	---	---	---	---	---	---	---

b. Into other occupations	5	5	5	5	5	5
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3. Net IN-Migration

-10	-10	-10	-10	-10	-10	-10
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Worksheet for Calculating Shortages or Surpluses of One Occupation									
EGR Name: EGR7									
Occupation Name: Maingenance Workers: Machinery									
Occupation SOC: 49-9043									
A. Lower projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		3	-4	-11	-18	-25	-32	-39	-46
New demand during year		3	3	3	3	3	3	3	3
New production during year		20	20	20	20	20	20	20	20
Net migration during year		-10	-10	-10	-10	-10	-10	-10	-10
Net change during year		-7	-7	-7	-7	-7	-7	-7	-7
Carryover to next year (+/-)	3	-4	-11	-18	-25	-32	-39	-46	
B. Middle projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		14	18	22	26	30	34	38	42
New demand during year		14	14	14	14	14	14	14	14
New production during year		20	20	20	20	20	20	20	20
Net migration during year		-10	-10	-10	-10	-10	-10	-10	-10
Net change during year		4	4	4	4	4	4	4	4
Carryover to next year (+/-)	14	18	22	26	30	34	38	42	
C. Upper projection:									
Total, all industries in EGR									
Year	2005	2006	2007	2008	2009	2010	2011	2012	
Carryover from last year (+/-)		25	40	55	70	85	100	115	130
New demand during year		25	25	25	25	25	25	25	25
New production during year		20	20	20	20	20	20	20	20
Net migration during year		-10	-10	-10	-10	-10	-10	-10	-10
Net change during year		15	15	15	15	15	15	15	15
Carryover to next year (+/-)	25	40	55	70	85	100	115	130	
Notes:									
(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.									
(2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:									
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C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.									